

IN THE CLAIMS

Claims 1-3 (Cancelled)

4. (Cancelled)

5. (Currently Amended) A method for enabling a first user to interact with other users in a virtual space, wherein the first user and the other users each have an avatar and a client process associated therewith, and wherein each client process is in communication with a server process, wherein the method comprises:

(a) receiving a position of ~~at least some~~ less than all of the other users' avatars from the server process; and

(b) determining, from the received positions, a set of the other users' avatars that are to be displayed to the first user,

wherein steps (a) and (b) are performed by the client process associated with the first user.

6. (Previously presented) The method of Claim 5, further comprising the steps of

(c) monitoring an orientation of the first user's avatar; and

(d) displaying the set of the other users' avatars from based on the orientation of the first user's avatar as monitored in step (c),

wherein steps (c) and (d) are performed by the client process associated with the first user.

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7. (Currently amended) The method of Claim 5, wherein step (a) further comprises
(a)(1) receiving an orientation of ~~at least some~~ less than all of the other users'
avatars from the server process.

8. (Previously presented) The method of Claim 5, wherein step (b) comprises
(b)(1) determining from the received positions an actual number of the other
users' avatars;
(b)(2) determining a maximum number of the other users' avatars to be
displayed; and
(b)(3) comparing the actual number to the maximum number to determine which
of the other users' avatars are to be displayed,
wherein steps (b)(1)-(b)(3) are performed by the client process associated with the
first user.

Claims 9-14 (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Currently amended) A method for enabling a plurality of users to interact in a virtual space, wherein each user has a computer associated therewith, wherein each computer has a client process associated therewith, wherein each client process has an avatar associated therewith, and wherein each client process is in communication with a server process, comprising:

(a) monitoring, by each client process, a position of the avatar associated with the client process;

(b) transmitting, by each client process to the server process, the position of the avatar associated with the client process;

(c) transmitting, by the server process to each client process, the positions of ~~at least some~~ less than all of the avatars that are not associated with the client process; and

(d) determining from the positions transmitted in step (c), by each client process, ~~at least some~~ a set of the avatars that are ~~not associated with the client process that are to~~ be displayed.

19. (Currently amended) The method of Claim 18, wherein the step (c) comprises the step of automatically transmitting, by the server process to each client process, the positions of ~~at least some~~ the less than all of the avatars that are not associated with the client process.

20. (Previously presented) The method of Claim 18, wherein step (d) comprises

(d)(1) determining an actual number of avatars that are not associated with the client process based on the positions transmitted by the server process;

(d)(2) determining a maximum number of avatars that can be displayed; and

(d)(3) comparing the actual number to the maximum number to determine which of the avatars are to be displayed.

21. (Cancelled)

22. (Currently amended) A method for operating a server to enable a plurality of users to interact in a virtual space, wherein each user has a computer associated therewith, wherein each computer has a client process associated therewith, wherein each client process has an avatar associated therewith, wherein the server has a process associated therewith, and wherein each client process is in communication with the server process, comprising:

(a) receiving, from each client process by the server process, data indicating a position of the avatar associated with the client process; and

(b) synchronously disseminating less than all of the positions of the avatars not associated with a particular client process to each of the other client processes so that the particular client process can determine from the positions a set of avatars that are to be displayed.

23. (Currently amended) ~~An apparatus~~ A system for enabling a first user to interact with other users in a virtual space, wherein the first user and the other users each have an avatar associated therewith, and wherein the system ~~apparatus~~ comprises a first process associated with the first user, other client processes associated with the other users, and a server process in communication with the first client process and the other client processes, wherein

- (a) each of the other client processes is operable to
 - 1. monitor a position of the avatar associated with the other user;
 - 2. transmit the position of the avatar to the server process;
- (b) the server process is operable to
 - 1. receive the positions of the avatars associated with the other users;
 - 2. transmit the positions of the avatars associated with ~~at least some~~ less than all of the other users to the first client process; and
- (c) the first client process is operable to
 - 1. receive the positions of the avatars associated with ~~at least some of~~ less than all of the other users; and
 - 2. determine from the received positions a set of the other users' avatars that are to be displayed.

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24. (Currently amended) The method of Claim 5, wherein step (b) comprises ~~determining from the data a set of the other users' avatars that are to be displayed to the first user, determining, from the received positions, the set of the other users' avatars that are to be displayed to the first user, wherein the number in the set is comprises less than the number of avatars corresponding to the received positions~~ all of the other users' avatars.

25. (Currently amended) A software program for enabling a first user to interact with other users in a virtual space, wherein the first user and the other users each have an avatar and a client process associated therewith, and wherein each client process is in communication with a server process,

wherein the software program comprises instructions for causing the client process associated with the first user to perform the following steps:

(a) receiving a position of at ~~least some~~ less than all of the other users' avatars from the server process; and

(b) determining, from the received positions, a set of the other users' avatars that are to be displayed to the first user.

26. (Previously presented) The software program of Claim 25, wherein the software program further comprises instructions for causing the client process associated with the first user to perform the following steps:

- (c) monitoring an orientation of the first user's avatar; and
- (d) displaying the set of the other users' avatars from based on the orientation of the first user's avatar as monitored in step (c).

27. (Cancelled)

28. (Previously presented) The software program of Claim 25, wherein step (b) comprises instructions for

- (b)(1) determining from the received positions an actual number of the other users' avatars;
- (b)(2) determining a maximum number of the other users' avatars to be displayed; and
- (b)(3) comparing the actual number to the maximum number to determine which of the other users' avatars are to be displayed.

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Currently amended) A software program for enabling a plurality of users to interact in a virtual space, wherein each user has a computer associated therewith, wherein each computer has a client process associated therewith, wherein each client process has an avatar associated therewith, and wherein each client process is in communication with a server process, wherein the software program includes instructions for:

(a) monitoring, by each client process, a position of the avatar associated with the client process;

(b) transmitting, by each client process to the server process, the position of the avatar associated with the client process;

(c) transmitting, by the server process to each client process, the positions of ~~at least some~~ less than all of the avatars that are not associated with the client process; and

(d) determining from the positions transmitted in step (c), by each client process, ~~at least some~~ a set of the avatars that are not associated with the client process that are to be displayed.

33. (Previously presented) The software program of Claim 32, wherein step (d) comprises

(d)(1) determining an actual number of avatars that are not associated with the client process based on the positions transmitted by the server process;

(d)(2) determining a maximum number of avatars that can be displayed; and

(d)(3) comparing the actual number to the maximum number to determine which of the avatars are to be displayed.

34. (Cancelled)

35. (Currently amended) A software program for operating a server to enable a plurality of users to interact in a virtual space, wherein each user has a computer associated therewith, wherein each computer has a client process associated therewith, wherein each client process has an avatar associated therewith, wherein the server has a process associated therewith, and wherein each client process is in communication with the server process, wherein the software program comprises instructions for:

(a) receiving, from each client process by the server process, data indicating a position of the avatar associated with the client process; and

(b) synchronously disseminating the positions of less than all of the avatars not associated with a particular client process to each of the other client processes so that the particular client process can determine from the positions a set of avatars that are to be displayed.

36. A computer readable medium including the software program of Claim 25.

37. (Cancelled)

38. A computer readable medium including the software program of Claim 32.

39. A computer readable medium including the software program of Claim 35.

Please add the following new claim:

40. (New) The software program of Claim 25, wherein the instruction for step (b) comprises determining, from the received positions, the set of the other users' avatars that are to be displayed to the first user, wherein the number in the set is less than the number of avatars corresponding to the received positions.